

IN THE CLAIMS:

Please replace claims 1-12 as follows:

1. (Amended) A thin film transistor, comprising:
a gate electrode having a gate insulation film;
channel regions that extend through the gate insulation film in the gate
electrode; and
source drain regions connected to said channel regions that are formed against
a semiconductor film that is formed on the surface of an insulation substrate, wherein
recombination centers which capture carriers are formed in said channel regions by part of
crystal semiconductor films having a relatively low degree of crystallization among crystal
semiconductor films that form said channel regions.

2. (Amended) The thin film transistor of Claim 1, wherein said recombination
centers are concentrated adjacent to said drain regions within said channel regions.

3. (Amended) The thin film transistor of Claim 2, wherein said recombination
centers are concentrated in a region, among channel regions, whose distance from the drain
regions is equivalent to 1/3 to 1/10 of a channel length.

4. (Twice Amended) The thin film transistor according to Claim 1, wherein
regions, among said channel regions, in which said recombination centers are concentrated
have different film thickness compared to other regions.

5. (Twice Amended) The thin film transistor according to Claim 1, wherein
regions, among said channel regions, in which said recombination centers are concentrated
have different surface positions compared to other regions.

6. (Amended) The thin film transistor of Claim 5, wherein the regions, among
said channel regions, in which said recombination centers are concentrated have different
surface height positions compared to other regions due to a different thickness of the
semiconductor films forming said channel regions.

7. (Amended) The thin film transistor of Claim 5, wherein the regions, among said channel regions, in which said recombination centers are concentrated have different surface height positions compared to other regions due to the formation of at least one of indented sections and bulged sections in a lower layer of the semiconductor films forming said channel regions.

8. (Amended) A method for manufacturing a thin film transistor comprising a gate electrode having a gate insulation film, channel regions that extend through a gate insulation film in the gate electrode, and source drain regions connected to said channel regions that are formed against a semiconductor film being formed on a surface of an insulation substrate, wherein a section having a relatively low degree of crystallization is formed within a predetermined region of said semiconductor films by applying laser annealing to said semiconductor films after forming the semiconductor films that form said channel regions.

9. (Amended) The method for manufacturing a thin film transistor according to Claim 8, wherein a section with a relatively low degree of crystallization is formed in the predetermined regions of said semiconductor film by applying said laser annealing to said semiconductor film after forming the semiconductor films with partially different film thickness as semiconductor films that form said channel regions.

10. (Amended) The method for manufacturing a thin film transistor according to Claim 8, wherein a section with a relatively low degree of crystallization is formed in the predetermined regions to said semiconductor film by applying said laser annealing for said semiconductor film after forming the semiconductor films with different surface height positions as semiconductor films that form said channel regions.

11. (Amended) The method for manufacturing a thin film transistor according to Claim 10, wherein the thickness of said semiconductor film is made to be different partially in forming said semiconductor film with different surface height positions.

12. (Amended) The method for manufacturing a thin film transistor according to

Claim 11, wherein at least one of an indented section and a bulging section is formed beforehand in a lower layer of said semiconductor films in forming said semiconductor films with different surface height positions.

Please add new claims 17 and 18 as follows:

--17. A display device having a thin film transistor, the thin film transistor comprising:

a gate electrode having a gate insulation film;

channel regions that extend through the gate insulation film in the gate

electrode; and

source drain regions connected to said channel regions that are formed against a semiconductor film that is formed on the surface of an insulation substrate, wherein recombination centers which capture carriers are formed in said channel regions by part of crystal semiconductor films having a relatively low degree of crystallization among crystal semiconductor films that form said channel regions.--

--18. A method for manufacturing a display device having a thin-film transistor, the thin-film transistor comprising a:

gate electrode having a gate insulation film, channel regions that extend through a gate insulation film in the gate electrode, and source drain regions connected to said channel regions that are formed against a semiconductor film being formed on a surface of an insulation substrate, wherein a section having a relatively low degree of crystallization is formed within a predetermined region of said semiconductor films by applying laser annealing to said semiconductor films after forming the semiconductor films that form said channel regions.--